# digital™ MATERIAL SAFETY DATA SHEET

**HEAD CLEANING CARTRIDGE KIT Page 1 of 2 A-SP-ELMD012-AA-0 Rev A.**

## SECTION 1 - PREPARATION/PRODUCT INFORMATION

**Manufacturer's Name:** Digital Equipment Corporation Maynard, MA USA

**Non-Emergency Phone Number:** (508) 496-9242

**Emergency Phone Numbers:** 800-228-5635 ext.123
[+1] 612-221-3999 ext.123

**Preparation Date:** March 4, 1992

**Supersedes:** July 3, 1990

**Product Name:** Head Cleaning Cartridge Kit

**Part Number(s):** TZK1X-HA

**Use:** Head Cleaner

## SECTION 2 - INGREDIENTS

| HAZARDOUS INGREDIENTS | CAS | % | ACGIH TLV | OSHA PEL | CARCINOGEN LIST IARC | CARCINOGEN LIST NTP | CARCINOGEN LIST OSHA | SARA 313 |
|---|---|---|---|---|---|---|---|---|
| Isopropyl Alcohol | 67-63-0 | 100 | 400 ppm | 400 ppm | NO | NO | NO | NO |

OTHER INGREDIENTS

None

The chemicals contained in this product are on the US TSCA inventory.

## SECTION 3 - PHYSICAL AND CHEMICAL DATA

Boiling Point - 83°C (181°F)
Vapor Pressure - 33 mmHg @ 20°C (68°F)
Vapor Density - 2.1 (air=1)
Appearance - Clear
Freezing Point - -89°C (-128°F)
Melting/Softening Point - Not applicable
Solubility in Water - Miscible
Percent Volatile - 100
Evaporation Rate - 2.83 (butyl acetate=1)
Odor and Odor Threshold - Slight (50 ppm)
pH - Not available
Specific Gravity - 0.78 (water=1)

## SECTION 4 - FIRE AND EXPLOSION HAZARD

Flash Point - 12°C (53.6°F) closed cup
Auto-Ignition Temperature - 456°C (852°F)
Extinguishing Media - Dry chemical, alcohol foam, carbon dioxide
Unusual Fire or Explosion Hazards - None
Special Fire Fighting Procedure - None
Flammable Limits - LEL:2%; UEL-12%
Hazardous Combustion Products - Carbon monoxide, carbon dioxide

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## SECTION 5 - REACTIVITY DATA

Stability - Stable
Incompatibility - Strong oxidizers
Conditions to Avoid - Heat, flame, fire
Hazardous Decomposition Products - Not available
Hazardous Polymerization - None

## SECTION 6 - HEALTH HAZARD DATA/TOXICOLOGICAL PROPERTIES

**Hazard to Humans-** Exposure by inhalation and skin possible. Overexposure may cause irritation to the throat, nose and eyes. Narcosis at very high levels is possible.

**Animal Experiment-**

**Acute-** Oral LD50- >5 g/kg (practically non-toxic); Dermal LD50- >20 g/kg;(practically non-toxic); Inhalation LC50- >20 mg/l (practicallynon-toxic). May cause eye injury which may persist for several days.

**Chronic/Other-** Data show that there are no reproductive effects. Information on mutagenicity not available. IARC concluded that evidence on carcinogenic potential is inadequate.

**Additional Information-** The ACGIH TLV for hazardous ingredients was established for eye, nose and throat irritation.

## SECTION 7 - EMERGENCY/FIRST AID PROCEDURE

**If Inhaled -** Remove to fresh air. Support breathing if necessary and contact a physician.

**If on Skin -** Not applicable

**If in Eyes -** Flush eyes with large quantities of water for at least 15 minutes. If irritation is present after washing, contact a physician.

**If Swallowed-** Seek immediate medical attention.

## SECTION 8 - SAFE HANDLING/PREVENTIVE MEASURES

Personal Protective Equipment - None
Engineer Control - None
Waste Disposal - No special requirements.
Procedures for Leaks or Spills- Use cloth or paper towel to absorb material; use water spray to reduce vapors; remove all ignition sources.
Work Practices - None
Storage Requirement- Keep container closed and in cool, ventilated area.
Handling Procedure/Equipment- Keep container closed and in cool, ventilated area away from flame.
Labelling- US-Flammable Liquid; Irritant
WHMIS Classification- Class B Division 2-Flammable Liquid

## SECTION 9 - TRANSPORTATION REQUIREMENTS

Proper Shipping Name- Isopropanol (U.S. DOT, IATA/ICAO, IMO)
Hazard Class- Flammable liquid (U.S. DOT), 3 (IATA/ICAO),3.2 (IMO)
Identification Number- UN 1219 (U.S. DOT, IATA/ICAO, IMO)
RQ- Not applicable (U.S. DOT)
Packing Group- II (IATA/ICAO, IMO)

MSDS SATISFIES OSHA AND WHMIS REQUIREMENTS